

## CLAIMS

1. A primer composition comprising the following (A), (B), (C) and (D) components:
  - 5 (A) a saturated hydrocarbon polymer having at least one alkenyl group per molecule,
  - (B) a silane coupling agent,
  - (C) a polyvalent alkoxysilane and/or a condensation product thereof, and
  - 10 (D) an organoaluminum compound and/or an organotitanium compound.
2. The primer composition according to Claim 1  
wherein the (A) component saturated hydrocarbon polymer  
15 is a polyisobutylene polymer having a number average molecular weight in the range of 500 to 50000 and containing at least one alkenyl group terminally of its backbone and/or side chain.
3. The primer composition according to Claim 1 or 2  
20 wherein the (B) component silane coupling agent has at least one functional group selected from the group consisting of epoxy, vinyl and (meth)acryloyl groups.
4. The primer composition according to Claim 1, 2 or  
25 3 comprising a hydrosilylation catalyst as (F) component.
5. The primer composition according to any of Claims  
1 to 4  
30 comprising an organic solvent as (G) component.
6. A primer composition comprising the following (B), (C), (D) and (E) components:
  - (B) a silane coupling agent,
  - 35 (C) a polyvalent alkoxysilane and/or a condensation product

thereof,

(D) an organoaluminum compound and/or an organotitanium compound, and

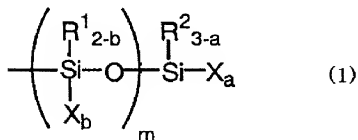
(E) a vinyl copolymer having a backbone structure substantially comprised of a vinyl copolymer chain and containing a silicon-containing group having a hydroxyl or hydrolyzable group bound to a silicon atom and capable of crosslinking by siloxane bonding terminally of its backbone chain and/or in its side chain.

10

7. The primer composition according to Claim 6

wherein the (E) component vinyl copolymer has a number average molecular weight in the range of 500 to 50000 and contains a hydrolyzable silyl group of the general formula (1)

15 terminally of its backbone and/or side chain:



wherein R<sup>1</sup> and R<sup>2</sup> each independently represents an alkyl group of 1 to 20 carbon atoms, an aryl group of 6 to 20 carbon atoms, an aralkyl group of 7 to 20 carbon atoms, or a triorganosiloxy group of the formula (R')<sub>3</sub>SiO-, where R' groups each independently represents a substituted or unsubstituted hydrocarbon group containing 1 to 20 carbon atoms; X groups each independently represents a hydroxyl group or a hydrolyzable group; a denotes 0, 1, 2 or 3; b denotes 0, 1 or 2; but both a and b are not equal to 0; m denotes an integer of 0 to 19.

8. The primer composition according to Claim 6 or 7 comprising a saturated hydrocarbon polymer containing at least one alkenyl group per molecule as (A) component.

30

9. The primer composition according to Claim 8  
wherein the (A) component saturated hydrocarbon polymer  
is a polyisobutylene polymer having a number average molecular  
weight in the range of 500 to 50000 and containing at least one  
alkenyl group terminally of its backbone and/or side chain.

10. The primer composition according to any of Claims  
6 to 9

wherein the (B) component silane coupling agent has at  
least one functional group selected from the group consisting  
of epoxy, vinyl and (meth)acryloyl groups.

11. The primer composition according to any of Claims  
6 to 10  
comprising a hydrosilylation catalyst as (F) component.

12. The primer composition according to any of Claims  
6 to 11  
comprising an organic solvent as (G) component.

13. A bonding method for bonding a cured product to a  
substrate

which comprises coating a primer composition comprising  
a silane coupling agent as (B) component on a substrate  
and applying a curable composition comprising a saturated  
hydrocarbon polymer having at least one alkenyl group per  
molecule onto primed substrate.

14. The bonding method according to Claim 13  
wherein the (B) component silane coupling agent has at  
least one functional group selected from the group consisting  
of epoxy, vinyl and (meth)acryloyl groups.

15. The bonding method according to Claim 13 or 14

5

10

15

20

25

30

20

35

22. A laminate as obtainable by the bonding method according to any of Claims 13 to 20.

5        23. A bonding method for bonding a cured product to a substrate

which comprises coating a primer composition comprising a polyvalent alkoxysilane and/or a condensation product thereof as (C) component and an organoaluminum compound and/or an  
10    organotitanium compound as (D) component on a substrate

and applying a curable composition comprising a saturated hydrocarbon polymer having at least one alkenyl group per molecule onto the primed substrate.

15        24. The bonding method according to Claim 23

wherein said saturated hydrocarbon polymer having at least one alkenyl group per molecule is a polyisobutylene polymer having at least one alkenyl group terminally of its backbone and/or side chain.

20

25. The bonding method according to Claim 23 or 24

wherein said curable composition comprises two or more silicon-bound hydrogen atoms per molecule.

25        26. The bonding method according to Claim 25

wherein said curing agent is a polyorganohydrogen polysiloxane containing two or more hydrosilyl groups per molecule.

30        27. The bonding method according to any of Claims 23 to

26

wherein said primer composition comprises a hydrosilylation catalyst as (F) component.

35        28. The bonding method according to any of Claims 23 to

27

wherein said primer composition comprises an organic solvent as (G) component.

5

29. A laminate as obtainable by the bonding method according to any of Claims 23 to 28.

2025 RELEASE UNDER E.O. 14176